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(71) Applicant (for all designated States except US): **TORO-
TRAK (DEVELOPMENT) LIMITED** [GB/GB]; 1 As-
ton Way, Leyland, Lancashire PR5 3UX (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DEFREITAS,**
Andrew, Damlan [GB/GB]; 12 Beacon Road, Standish,
Wigan WN6 0SB (GB). **WOODS, Adrian** [GB/GB]; 21
Bagganley Lane, Chorley, Lancashire PR6 0EA (GB).

(74) Agent: **W.P. THOMPSON & CO;** Coopers Building,
Church Street, Liverpool L1 3AB (GB).

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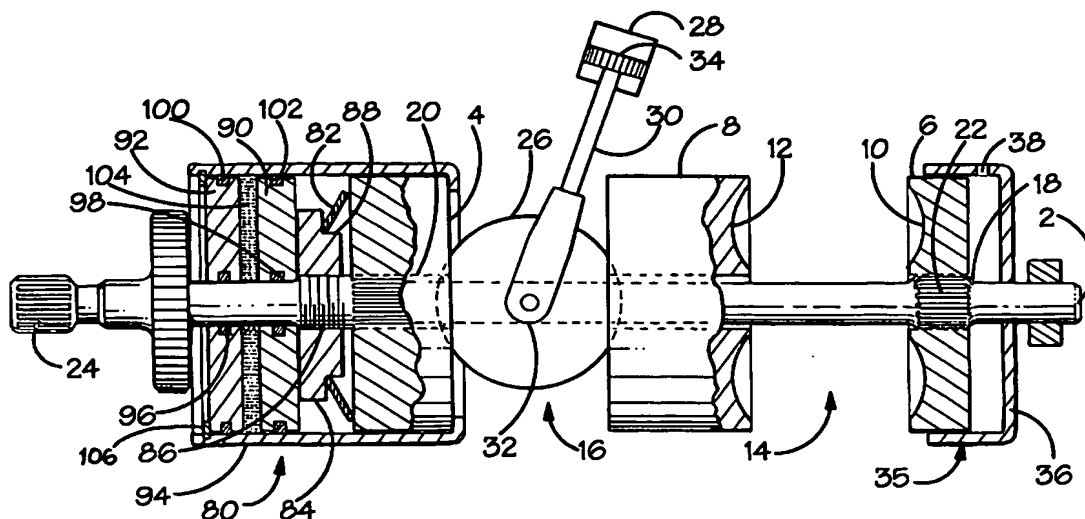
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(54) Title: A CONTINUOUSLY VARIABLE RATIO TRANSMISSION UNIT



(57) Abstract: There is disclosed a continuously variable ratio transmission unit of rolling traction type, comprising a pair of races (10,12) between which torque is transmitted by at least one roller (26), the roller being movable to provide variation in the transmission ratio and being subject to an adjustable roller reaction force by a roller actuator (28), a traction loading actuator (35) arranged to urge the rollers and discs into engagement with each other with a force which is varied in sympathy with the roller reaction force during normal variator operation, and a pre-loading arrangement (80) which is arranged to urge the rollers and discs into engagement with each other at least during a cold start wherein the pre-loading arrangement is adapted to apply a pre-loading force is reduced with increasing operating temperature.

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